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PROTOCOL

AOAC Use-Dilution Method

Test Organism(s):

Pseudomonas aeruginosa (ATCC 15442)

PROTOCOL NUMBER

REK01092518.UD,1

SPONSOR

Reckitt Bencklser One Philips Parkway Montvale, NJ 07645

PERFORMING LABORATORY

Accuratus Lab Services 1285 Corporate Center Drive, Sulte 110 Eagan, MN 55121

DATE

September 25, 2018

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AOAC Use-Dilution Method

PURPOSE

The purpose of this study is to determine the effectiveness of the Sponsor's product as a disinfectant for hard surfaces following the AOAC Use-Diffulion Method. This mothod is in compliance with the requirements of and may be submitted to, one or more of the following agencies as indicated by the Sponsor; U.S. Environmental Protection Agency (EPA), Health Canada and Australian Therapeutic Goods Administration (TGA),

TEST SUBSTANCE CHARACTERIZATION

According to 40 CFR, Part 160, Suspent F [160,105] test substance characterization as to identity, strength, purity, solubility and composition, as applicable, shall be documented before its use in this study. The stability of the test substance shall be determined prior to or concurrently with this study. Perlinent information, which may affect the outcome of this study, shall be communicated in writing to the Study Director upon sample submission to Acquiretus Lab Services. Accuratus Lab Services will append Sponsor-provided Certificates of Analysis (C of A) to this study report, if requested and supplied. Characterization and stability studies not performed following GLP regulations will be noted in the Good Laboratory Practice compliance statement.

SCHEDULING AND DISCLAIMER OF WARRANTY

Experimental start dates are generally scheduled on a first-come/first-serve basis once Accuratus Lab Services receives the Sponeor approved/completed protocol, signed fee schedule and corresponding test substance(s). Based on all required materials being received at this time, the <u>proposed</u> experimental start date is October 8, 2016. Verbal results may be given upon completion of the attidy with a written report to follow on the <u>proposed</u> completion date of November 6, 2018. To expedite scheduling, please be sure all required paperwork and test substance documentation is complete/accurate upon arrivel at Accuratus Lab Services.

If a test must be repeated, or a portion of it, due to failure by Accuratus Lab Services to adhere to specified procedures, it will be repeated free of charge. If a test must be repeated, or a portion of it, due to failure of internal controls, it will be repeated free of charge. "Methods Development" fees shall be assessed, however, if the test eubstance and/or test system require modifications due to complexity and difficulty of testing. If the Sponsor requests a repeat test, they will be charged for an additional test. Neither the name of Acountus Lab Services nor any of ite employaes are to be used in advertising or other promotion without written consent from Accuratus Lab

The Sponsor is responsible for any rejection of the final report by the regulating agencies concerning report format, pagination, etc. To prevent rejection, Sponsor should carefully review the Accuratus Lab Services final report and noilly Accuratus Leb Services of any perceived deficiencies in these areas before submission of the report to the regulatory agency. Accuratus Lab Services will make reasonable changes deemed necessary by the Sponsor, without altering the technical deta.

JUSTIFICATION FOR SELECTION OF THE TEST SYSTEM

Regulatory Agencies require that a specific organism claim for a test substance intended for use on hard surfaces be supported by appropriate scientific deta demonstrating the efficacy of the test substance against the claimed organism. This is accomplished in the laboratory by treating the larget organism with the test substance under conditions which simulate as closely as possible the solust conditions under which the test substance is designed to be used. For products intended for use on hard surfaces (dry, inanimate environmental surfaces), a carrier method is used in the generation of the supporting data. The experimental design in this protocol meets these regulrements.

TEST PRINCIPLE

A Ulm of organism civils dried on a surface of stainless steel carriers is exposed to the test substance for a specified exposure time. After exposure, the carriers are transferred to vessels containing neutralizing subculture media and assayed for sun/ivora. Appropriate culture purity, sterillity, viability, carrier population and neutralization confirmation controls are performed. The current revision of Standard Operating Procedure CGT-0011 reflects the methods which shall be used in this study.

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TEST METHOD

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Test Organism	Designation#	Growth Medium	Incubation Parameters	Dilution of Gulture After Spec Adjustment
Pseudomonas aeruginosa	15442	Synthetic Broth	35-37°C, aerobic	NA

The test organism(s) to be used in this study was/were obtained from the American Type Culture Collection (ATCC), Manassas, VA or equivalent.

Recovery Ager Medium: Tryptic Soy Ager + 5% Sheep's Blood

Carrier

Carriers will be screened according to AOAC Official Method of Analysis end any carrier positive for growth will be discarded. Only penicylinders showing no growth may be used. Stainless steel penicylinders will be pre-soaked overnight in 1N NaOH, washed in water until neutral and autoclaved in delonized water. Cerriers shall be used within three months of sterilization.

Preparation of Test Organism

Transfer 10 µL of a thawed, vortex mixed, or you's of stock organism broth culture to an initial 10 mL tube of growth medium. For organisme not defined in the AOAC Use Dijution method, a loopful of stock stant culture may be used to inoculate the initial 10 mL tube of growth medium.

Mix and incubate the initial culture for 24±2 hours at the incubation conditions above. Following incubation, transfer 10 µL of culture to sufficient 20.x 150 mm Motion closure tubes containing 10 mL of culture medium (daily transfer #1). One daily transfer is required but up to four additional daily transfers may be prepared. Incubate the final test culture for 48-54 hours at the incubation conditions above. During culture transfers, the Pseudomonas culture will not be vortex mixed. On the day of use, the pellicle will be carefully aspirated from the Pseudomonas europinosa culture by vacuum aspiration. Cere will be taken to avoid disrupting the pellicle and any visible pellicle on the bottom of the tube will not be harvested. To avoid harvesting any visible pellicle at the bottom of the tube, the upper portion of the culture may be transferred to a sterile tube. Any disruption of the pellicle resulting in dropping or breaking up of the pellicle before or during removal renders that culture tube unusable.

The test culture will be vortex mixed for 3 to 4 ecconds and allowed to stand for ≥10 minutes prior to use. After this time, the upper portion of the culture will be removed, leaving behind any clumps or debris and will be pooled in a sterile vessel and mixed.

The Pseudomonas culture will be visually inspected to ensure no pellicle fragments are present.

The test culture will be adjusted in sterile growth medium to an absorbance value of 0,240 – 0,260 at 620 nm using a spectrophotometer. It is recommended that efter achieving the absorbance value target the organism be further diluted in sterile growth medium as specified in the chart above. Alternate organism preparation (e.g. changing the absorbance value target or dilution) may be performed as necessary.

The culture may be diluted or centrifuge-concentrated. Applicable culture ditutions shell be performed using sterile growth medium.

An organic soil load will be added to the test culture per Sponsor's request. The final test culture will be mixed thoroughly prior to use.

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Contamination of Carriers

The culture will be transferred to the penicylinders (after siphoning off the weter) and the carriers will be immersed for 15±2 minutes in a prepared suspension at a ratio of one carrier per one mL of culture to completely cover the carriers. A meximum of 100 carriers will be incoulated per vessel and each vessel inoculated may be considered a part of one total inoculation run per organism. The incoulated carriers will be transferred to startle Petri dishes matted with filter paper after tapping the carrier against the side of the container to remove excess inoculum. No more than twelve carriers will be placed in each Petri dish. The carriers will be dried for 40±2 minutes. NOTE: Organisms not specifically mentioned in the AOAC methodology may require modified drying conditions for the purpose of obtaining maximum survival following drying. The actual drying conditions will be clearly documented. Conters will be used in the test procedure within 2 hours of drying. Carriers that touch during drying or have fellen over will not be used in the test.

Drying Conditions: 35-37°C.

Proparation of Test Substance

The lest substance(s) to be assayed will be used as directed by the Sponsor. If a dilution of the test substance is requested by the Sponsor, the diluted test substance(s) shall be used within three hours of preparation. For products requiring dilution, use ≥1.0 mL or ≥1.0 g of test substance and volumetric glacowize which proparing the dilution unless otherwise specified by the Sponsor. Ten (10) mL of the test substance at its use-dilution will be aliquotted into the required number of sterile 25 x 150 mm or 25 x 100 mm lubes. The tubes will be placed into a waterbath at the specified exposure temperature, and allowed to equilibrate for ≥10 minutes prior to testing.

Exposure Conditions

Each conteminated and dried cerrier will be pleced into a separate tube conteining 10 mL of the test substance at its use-dilution for the desired exposure time and temperature. Immediately after placing each test cerrier in the test tube, swirt the tube using approximately 2–3 gentle rotations to release any air bubbles trapped in or on the cerrier. Cere will be taken to avoid touching the sides of the tubes which may compromise exposure. The carrier will be placed into the test substance within ±5 seconds of the exposure time for exposure times above 1 initiate following a calibrated limer. The carrier will be placed into the test substance within ±3 seconds of the exposure time for exposure times of \$1 initiate. If the exposure conditions are compromised in any way for a given carrier, a new carrier may be treated in its place. If this carrier the done, the carrier will be marked end the compromised carrier will be identified in the raw data. If a marked carrier demonstrates a positive result, the carrier set may be invalidated end repeated by Sponsor request.

Test System Recovery

Following the Sponsor specified exposure time, each medicated carrier will be transferred by wire hook at staggered intervals to 10 mL of primary neutralizing subculture meditim and each tube will be shaken thoroughly. To accomplish this, the center is removed from the distriction tube with a sterile hook, tapped against the Interior sides of the tube to remove the excess distriction, evolding the upper one-third of the tube, and transferred into the subculture tube. Care will be taken to avoid excessive contact to the interior sides of the subculture tube; are the subculture tube. Care will be taken to avoid excessive contact to the interior sides of the subculture tubes during transfer. If secondary neutralization is requested by the Sponsor or deemed necessary due to test substance active end/or concentration, carriers will be transferred into individual secondary subculture tubes containing 10 mL of neutralizing broth beginning approximately 25-60 minutes after subculture of the cerrier into the primery neutralizing be used.

Incubation and Observation

All subcultures ere incubated under the conditions listed in table 1 for 48±2 hours.

Following incubation, the subcultures will be visually examined for growth. If necessary, the subcultures may be placed at 2-B°C for up to three days prior to examination.

Representative subculture tubes showing growth will be subcultured, steined and/or blochemically essayed to confirm or rule out the presence of the test organism. If growth cannot be determined visually, appropriate test and/or control subcultures may be streaked to again to determine the presence or absence of growth.

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STUDY CONTROLS

Purity Control

A "streak plate for isolation" will be performed on the organism culture and following incubation examined in order to confirm the presence of a pure culture. The acceptance criterion for this study control is a pure culture demonstrating colony morphology typical of the test organism.

Organic Soil Sterility Control

Prior to or concurrent with testing and if applicable, the serum used for the organic soil load will be cultured, incubated, and visually examined for lack of growth. The acceptance criterion for this study control is tack of growth.

Carrier Sterllity Control

Prior to or concurrent with testing, a representative uninoculated carrier will be added to an appropriate subculture medium. The subculture medium conteining the carrier will be incubated and examined for growth. The acceptance criterion for this study control is lack of growth.

Neutralizing Subculture Medium Sterility Control

Prior to or concurrent with testing, a representative eample of uninoculated neutralizing subculture medium will be incubated and visually exemined. The acceptance criterion for this study control is lack of growth.

Viability Control

One representative inoculated carrier will be added to a vessal containing each type of subculture medium. If secondary subcultures are performed using a different media type, one carrier will be placed in the primery subculture medium and one carrier will be placed in the secondary subculture medium. The vessels containing each carrier will be incubated and visually exemined for growth. The acceptance criterion for this study control is growth in the subculture media.

Neutralization Confirmation Control

Prior to testing or concurrent with testing, the neutralization of the test substance will be confirmed by exposing at least one sterile carrier to the test substance and transferring the carrier to primary subcultures containing 10-20 mL of neutralizing subculture medium as in the test. If performed in the test procedure, each carrier will then be transferred from primary subcultures into individual secondary autocultures beginning approximately 25-60 minutes following the primary transfer. The autocultures (primary and secondary as applicable) will be inoculated with a terget of 10-100 colony forming units (CFU) of each test organism, incubated under test conditions and visually exemined for the presence of growth. This control will be performed with multiple replicates using different dilutions of the test organism. A standardized spread plate procedure will be run concurrently in order to enumerate the number of CFU actually added per tube. NOTE: Only the most concentrated test substance dilution and/or shortest exposure time needs to be evaluated in this control.

The acceptance criterion for this study control is growth in the final subculture broth, minimally, following inoculation with \$100 CFU per tube. If all the organism dilution(e) used in this control fall to provide adequate numbers (10-100 CFU) which coincides in a failure to meet the acceptance criterion for this study control, the control may be repeated in its entirety.

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Carrier Population Control

Two sets of three inoculated carriers (one set prior to testing and one set following treatment) for each organism carrier set will be accepted. Each inoculated carrier will be individually subcultured into a tube containing 10 mL of neutralizing subculture medium and sorticated for 1 minute±5 seconds. Tubes will be contained in a beaker with water suspended in the ultrasonic cleaner such that all fluids will be level. Following sonication, the contents of the three subcultured carriers will be pooled (30 mL) and briefly vortex mixed. Appropriate serial ten-fold dilutions will be prepared and the duplicate 0.1 mL eliquots spread plated on agar plate medium, and incubated. If serial dilutions are not performed and plated immediately following contestion, the vessels may be refrigerated at 2-8°C for up to 2 hours prior to dilution. Following incubation, the resulting colonies will be enumerated. The individual CFU per carrier sat results will be calculated, and the Logievalue of each carrier set determined. The average Logievalue per organism will be calculated. For Pseudomonas aeruginosa, the acceptance oritarion for this study control is a minimum average Log to value of 6.0.

PROCEDURE FOR IDENTIFICATION OF THE TEST SYSTEM
Acquiratus, Lab. Sarvices maintains Standard Operating Procedures (SOPs) relative to efficacy teeling studies. Efficacy teeling is performed in strict adherence to these SOPs which have been constructed to cover all aspects of the work including, but not limited to, receipt, log-in, and tracking of biological reagents including test organism strains for purposes of identification, receipt and use of chemical reagents. These procedures are designed to document each step of officecy testing studies. Appropriate references to medium, batch number, etc. are documented in the raw data collected during the course of each study.

Additionally, each efficacy test is assigned a unique Project Number when the protocol for the study is initiated by the Study Director. This number is used for identification of the test subcultures, etc. during the course of the test. Test subcultures are elso labeled with reference to the test organism, experimental start data, and lest product. Microscopic and/or macroscopic evaluations of positive aubcultures are performed in order to confirm the identity of the test organism. These measures are designed to document the identity of the test system.

METHOD FOR CONTROL OF BIAS: NA

STUDY ACCEPTANCE CRITERIA

Test Substance Performance Criteria

For Pseudomones aeruginose, the efficacy performance requirements for label claims state that the test substance must klil the microorganism on 54 out of the 60 inoculated carriers.

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Control Acceptance Criteria

The study controls must perform according to the criteria detailed in the study controls description section. If any control acceptance criteria are not met, the test may be repeated under the current protocol number. If the population control exceeds an average logic value of 7.0 for Pseudomones acruginosa.

Any positive test carriers confirmed as a contaminent will be reported. Any test carrier set that demonstrates a number of contaminated tubes that contributes to results that exceed the product performance/success criteria may be invalidated per Sponsor's request and may be re-tested. For sixty carrier studies, contamination exceeding one tube per carrier set may warrant invelidation and repeat testing by Sponsor's request.

If any portion of the protocol is executed incorrectly warranting repeat testing, the test may be repeated under the current protocol number. If the population control fails to meet the minimum requirement or if the nautralization control acceptance criteria is not mot and the study fails to meet the effloacy requirements, repeat testing is not required.

REPORT

The report will include, but not be limited to, identification of the sample, date received, initiation and completion dates, identification of the organism sittelins used, description of media and reagents, description of the methods employed, tabulated results and conclusion as it relates to the purpose of the test, and all other items required by 40 CFR Part 160.185.

PROTOCOL CHANGES

If it becomes necessary to make changes in the approved protocol, the revision and reasons for changes will be documented, reported to the Sponsor and will become a part of the permanent file for that study. Similarly, the Sponsor will be notified as soon as possible whenever an event occurs that may have an effect on the velidity of the study.

Standard operating procedures used in this study will be the correct effective revision at the time of the work. Any minor changes to SOPs (for this etudy) or methode used will be documented in the raw data and approved by the Study Director.

TEST SUBSTANCE RETENTION

It is the responsibility of the Sponsor to retain a sample of the test substance. All unused test substance will be discarded following study completion unless otherwise indicated by Sponsor.

RECORD RETENTION

Study Specific Documents

All of the original raw date developed exclusively for this study shall be archived at Accuratus Lab Services for a minimum of five years for GLP studies or a minimum of six months for all other studies following the study completion date. After this time, the Sponsor (or the Sponsor Representative, if applicable) will be contacted to determine the final disposition. These original data include, but are not limited to, the following:

- All handwritten raw data for control and test substences including, but not limited to notebooks, data forms end calculations.
- Any protocol amendments/deviation notifications.
- 3. All measured data used in formulating the final report.
- Memoranda, specifications, and other study specific correspondence relating to interpretation and evaluation of data, other than those documents contained in the final study report.
- Original signed protocol.
- Certified copy of final study report,
- Study-specific SOP deviations made during the study.

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Facility Specific Documents

The following records shall also be archived at Accuratus Lab Services. These documents include, but are not limited to, the following:

- SOPs which pertain to the study conducted.

 Non study-specific SOP deviations made during the course of this study which may affect the results 2. obtained during this study.
- Methods which were used or referenced in the study conducted,
- QA reports for each QA inspection with comments.
- Facility Records: Temperature Logs (ambient, incubator, etc.), Instrument Logs, Celibretion and Maintenance Records.
- Current curriculum vitae, training records, and job descriptions for all personnel involved in the study.

REFERENCES

- Association of Official Analytical Chemists (AOAC) Official Method 964.02, Testing Disinfectants against Pseudomonas aeruginosa - Use-Dilution Method. In Official Methods of Analysis of the AOAC, 2013 Edition.
- Association of Official Analytical Chemists (AOAC) Official Method 955.15, Testing Disinfectants against Staphylococcus aureus Use-Dilution Method. In Official Methods of Analysis of the AOAC, 2013 Edition.
- Association of Official Analytical Chemists (AOAC) Official Method 955.14, Testing Disinfectants against Salmonella enterica- Use-Dilution Method. In Official Methods of Analysis of the AOAC, 2013 Edition.

 Association of Official Analytical Chemists (AOAC) Official Method 960.09, Germioldel and Detergent Sanitizing
- Action of Disinfectants Method [Preparation of Synthetic Hard Water]. In Official Methods of Analysis of the AOAC, 2013 Edition.
- U.S. Environmental Protection Agency, Office of Chemical Safety and Pollution Prevention, Product Performence Test Guidelines, OCSPP 810,2000: General Considerations for Uses of Antimicrobial Agents, September 4, 2012.
- U.S. Environmental Protection Agency, Office of Chemical Safety and Pollution Prevention, Product Performance Test Guidelines, OCSPP 810.2200: Disinfectents for Use on Hard Surfaces- Efflosoy Data Recommendations, September 4, 2012.
- 7. Health Cenada, January, 2014. Guidance Document Safety and Efficacy Requirements for Hard Surface Disinfectant Druge.
- Health Canade, January, 2014. Guidance Document Disinfectant Drugs.
- Australian Therapeutic Goods Administration (TGA), February 1998. Guidelines for the Evaluation of Sterilants and Disinfectents.
- 10. Australian Therapeutic Goods Administration (TGA), February 1998. Therapeutic Goods Order No. 54: Standard for Disinfectants and Sterilants.
- Australian Therapeutic Goods Administration (TGA), March 1997. Therapeutic Goods Order No. 54A: Amendment to the Standard for Disinfectants and Sterilants (TGO 54).

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DATA ANALYSIS

Calculations

Determine the CFU/Carrier set in the Carrier Population Control using all average counts between 0-300 CFU as follows:

 $CFU/carriar = \underbrace{ ((avg. CFU for 10 \times) + (avg. CFU for 10 \times) + (avg. CFU for 10 \times) \times (Volume of neutralizer) }_{ [10 \times + 10 \times) + 10 \times) \times (Volume plated) \times (\# of carriers per set) }$

where 10-x, 10-y, and 10-x are example dilutions that may be used

Average Logic Carrier Population Control = LogicXi + LogicX2 + ...LogicXN

Where:

X equals CFU/carrier set

N equals number of control carrier sets

Statistical Analysis None used.

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		of the pales and philamit
STUDY IN (All blank sections are verified by the Sponsor or Sponsor R Test Substance (Name & Batch Numbers) exactly as it she Tost Substance Name Project Mac & Cheese -GLP- Efficacy Testing Project Mac & Cheese -GLP- Efficacy Testing Project Mac & Cheese -GLP- Efficacy Testing Testing at the lower certified limit (LCL) is required for	ould appear on final report	; Lot/Batch Number ;e0042-196 / 2250-008 =0042-196 / 2250-008 =0042-196 / 2250-010
Product Description: ☐ Qualamary ammonia ☐ Peracetic act ☐ Peroxide ☐ Qualamary ammonia ☐ Peroxide	ld □ lodo	phor
Approximate Test Substance Active Concentration (u. 0.012% - 3.2 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	pon submission to Accu	ratus Lab Services):
Neutralization/Subculture Broth:	на посинелово со гвргезел	i citaracienzanon volues.)
(NOTE: All broth must a ☑ Accuratus Lab Ser Lab Services, at th	vices' Discretion. By checki reir discretion, to perform ne	growth medium for the test organism) ng, the Sponsor authorizes Accuratus ultralization confirmation assays at the the most appropriate neutralizer. (See
Storage Conditions Hazard ☑ Room Temperature □ □ 2-8°C ☑ □ Other □	None known: Use Stand	est. Attached for each product
Product Preparation No allution required, Use as received (RTU) notation(s) to be tested: 128 defined as 1 (example: 1 oz/gallon) (amount of	<u> </u>	7 mb
 □ Delonized Water (Filter or Autoclave Sterilized) □ Tap Water (Filter or Autoclave Sterilized) - All towards and reported, ☑ AOAC Synthetic Hard Water: 400 □ Other) ap water is softened; the v _PPM	water hardness for the batch of tsp
*Note: An equivalent dilution may be made unless		y the Sponsor.
Test Organism(s): ☑ Pseudomonas aeruginosa (ATCC	3 16442)	
Carrier Number: 60 per batch Exposure Time: 15 minutes Organic Soil Load: ☑ Minimum 5% Organic Soil Load (Fetal Bovine S □ No Organic Soil Load Required □ Other:	Exposure Temperature	<u>20±1</u> °C
	•	
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	Profacol Number: REK01092618,UD.1	Recklit Benckiser Page 11 of 12	ACCURATUS —LAD BERVICES— 10) Polymerce (M. M.) prestry		
	TEST SUBSTANCE SHIPMENT STATUS This section is for informational purposes only.) Tost Substance is already present at Accuratus Lab Services. Test Substance has been of will be shipped to Accuratus Lab Services. Date of expected receipt at Accuratus Lab Services: Test Substance to be hand-delivered (must arrive by noon at least one day prior to testing or other afrangements made with the Study director).				
. :	COMPLIANCE Study to be performed under EPA Good Leboratory Practice regulations (40 CFR Part 180) in accordance to standard operating procedures. ☑ Yes ☑ No (Non-GLP or Development Study)				
į	REGULATORY AGENCY(S) THAT MAY REVIEW DATA U.S. EPA Health Canada Therapautic Goods Administration (Australian TGA)	•			
Č	PROTOCOL MODIFICATIONS Approved with modification Approved with modification Adelt report will be provided for Sponsor review prior to fi	nalization.			
5	ROTOCOL ATTACHMENTS supplemental informetion Form Attached - Yes WNo				
7	ESTING FACILITY MANAGEMENT VERIFICATION O	F 40 CFR PART 160 SUBPA	RT B (160.31(D))		
le te	dentily, strength, punty, and uniformity, as applicable, of esting: ☑ Yes 및 No* 및 Not required, Non-GLP testil	the test lots has been or will b ng requested	e completed prior to efficacy		
11	yes, testing was or will be performed following 40 CFR	Part 160 GLP regulations; 🛭	í Yes □ No*		
	Optional information to complete as applicable: A Certificate of Analysis (C of A) may be p C of A will be appended to the report. Testing has been or will be conducted under p C Dero Co C Color Co Co	prolocol or study #:	a la a comple		
S	tebility teating of the formulation has been or will be con I Yes 🚨 No* 📮 Not required, Non-GLP testing requi	nplated prior to or consurrent	· ZEVO1092518, CHR with afficacy testing:		
If	yes, testing wae or will be performed following 40 CFR	Part 160 GLP reguletione: 🛭	Yes 🗆 No*		
	Optional information to complete as applicable: Testing has been or will be conducted under p	protocol or study#:			
	f testing information is not provided or is not performed f Impliance statement of the final report.	ollowing GLP regulations, this	will be indicated in the GLP		
	(1) Sec Sporsor email on 10-4-18 for approval of new 9	110 gudelines attachesent. Koch 1	o -4-14		
	2) Sec Sponsor email from 10-2-18, Koc 10-5-18				
72	nuplata: 210-11 Rev. 010 Proprietary.	information —			

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PROPRIE	TARY INFORMATION	
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For confidentially purposes, study information will protocol (above) unless other individuals are speci	be released only to the sponsor/re Moselly authorized in writing to rece	epresentative signing the ive study information.
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